

AMENDMENTS TO THE SPECIFICATION

Please replace Paragraph [0033] with the following paragraph rewritten in amendment format:

Referring now to Figure 5, the manner in which a high or low engine speed is determined will be described in detail. Figure 5 illustrates torque traces for an exemplary engine. The volumetric efficiency of the engine is closely related to the engine torque. A first threshold engine speed ($N_{\text{THRESHFULL}}$) is identified and is the engine speed at which the volumetric efficiency with the tuning valve in the open position (V_{EFFOPEN}) is equivalent to the volumetric efficiency with the tuning valve in the closed position ($V_{\text{EFFECTCLOSED}}$), under full load. A ~~first~~ second threshold engine speed ($N_{\text{THRESHPARTIAL}}$) is identified and is the engine speed at which V_{EFFOPEN} is equivalent to the $V_{\text{EFFECTCLOSED}}$, under partial load. $N_{\text{THRESHFULL}}$ is approximately 3500 RPM and $N_{\text{THRESHPARTIAL}}$ is approximately 4200 RPM for the exemplary torque traces. It is appreciated, however, that the threshold engine speeds can vary from engine to engine.